APPENDIX.

Correct List of all the Patents that have been taken out of the Office of the Secretary of State, from July, 1790, to the present Time, specifying the Subject of the Patents, with their Dates, and the Names of the Patentees.

1790.

MAKING pot and pearl ashes, Samuel Hopkins, July 31. Manufacturing candles, Joseph Stacey Sampson, Aug. 6. Manufacturing flour and meal, Oliver Evans, Dec. 18.

1791.

Punches for types, &c. &c. Francis Bailey, Jan. 29. Improvement in distilling, Aaron Putnam, Jan. 29. Driving piles for bridges, John Stone, March 10. Threshing grain and corn, machine for, Samuel Mulliken, March 11. Breaking and swingling hemp, &c. Samuel Mulliken, March 11. Machine for cutting and polishing marble, &c. Samuel Mulliken, March 11. Machine for raising a nap on cloths, &c. Samuel Mulliken, March 11. Machine for spinning flax, hemp, &c. George Parkinson, March 17. Improvement in tide mills, Jonathan Dickerson, July 30. Machine for making nails, Samuel Briggs, sen. & jun. Aug. 2. Machine for threshing wheat, &c. William Thomson, Aug. 2. Diminishing the friction of spindles, Robert R. Livingston, Aug. 4. Making the extracts of barks, John Biddis and Thomas Bedwell, Aug. 10. Improved bedstead, Ludwig Conrod Kuhn, Aug. 10. Manufacturing boots, Peter Gordon, Aug. 10. Propelling boats by cattle, Henry Voight, Aug. 10. Manufacturing gunpowder, Henry Keyser, Aug. 10. Horizontal hollow water-wheels for mills, James Macomb, Aug. 26. Improvement of Dr. Barker's mill, James Rumsay, Aug. 26. Improved mode of working mills, James Rumsay, Aug. 26. Improvement of Savary's steam-engine, James Rumsay, Aug. 26. Bellows, James Rumsay, Aug. 26. Generating steam, James Rumsay, Aug. 26. Propelling boats or vessels, James Rumsay, Aug. 26. Propelling boats, &c. by steam, &c. John Fitch, Aug. 26. Improved boiler of the steam-engine, Nathan Read, Aug. 26. Improvement in distilling, Nathan Read, Aug. 26. Boiler for generating steam, John Stevens, jun. Aug. 26. Improvement in

Captain Savary's steam-engine, John Stevens, jun. Aug. 26. Application of steam to work bellows, John Stevens, jun. Aug. 26. Improvement of Savary's steam engine, Englehart Cruse, Aug. 26. Machine for cleaning docks or harbours, Peter Zacharie, Nov. 24. Machine for spinning cotton, William Pollard, Dec. 30.

1792.

Cleansing whale oil, Benjamin Folger, Jan. 2. Spinning and twisting thread, Obadiah Herbert, Jan. 28. Steam Jack, John Bailey, Feb. 23. Hardening and tempering steel, David Hartley, Feb. 24. Improvement in making bricks, David Ridgeway, March 7. Canvass conductor to be used when houses are on fire, Samuel Green, March 28. Weaving of wire, Timothy Kirk and Robert Leslie, May 9. Machine for sawing wood and bark, Thomas Farrington, May 9. Preservation of plants from frost, &c. George Morris, July 10. Machine called " the wheel of knives," for shearing and raising the nap on cloths, Samuel G. Dorr, Oct. 20. Hand-mill for picking millstones, Solomon Hodge and Jonathan Dorr, Oct. 23.

1793.

Improved machine for manufacturing tobacco, James Caldwell and Christopher Batterman, Jan. 26. Improvement in wind-mills, Joseph Pope, Jan. 26. Manufacturing bricks, Christopher Colles, Jan. 26. Improved mode of turning a spit, Samuel Morey, Jan. 29. Double pendulum for ships, Robert Leslie, Jan. 30. Clock pendulum, Robert Leslie, Jan. 30. Double pendulum, Robert Leslie, Jan. 30. Manufacturing oiled silk and linen, &c. Ralph Hodgson, Feb. 1. Manufacturing rhus or sumach, Richard Rosewell Saltonstall, Feb. 28. Improvement in paper-moulds, John Carnes, jun. April 11. Furnace for pot and pearl ashes, Edward Ryan, April 29. Moulds for claying sugar, Jonathan Williams, jun. March 13. Manufacturing rhus or sumach, Richard Rosewell Saltonstall, May 1. Stove of cast iron, Robert Heterick, June 11. Applying and regulating the sails of ships, boats, &c. Joseph Stacey Sampson, July 5. Manufacturing brick and pantile, Samuel Brouwer, Aug. 17. Machine for propelling vessels, &c. Abijah Babcock, Dec. 2. Disputed claim for a machine to work in a current of water, &c. decided in favour of John Clarke, Daniel Stansbury, Apollos Kinsley, John Clarke, Dec. 31.

1794.

Manufacturing nails, Thomas Perkins, Feb. 7. Weaving

and beating sail duck, James Davenport, Feb. 14. Improvement in distilling spirituous liquors, Joseph Simpson, March 4. Round saw, Zachariah Cox, March 14. Machine for ginning cotton, Eli Whitney, March 14. Mode of preventing the progress of fire, Benjamin Taylor, March 23. Improvement in manufacturing paper, &c. John Biddis, March 31. Composition for flooring houses, &c. Richard Robotham, April 12. Improvement in carriages, to be propelled by the mechanical powers, John J. Staples, April 25. Machine for threshing grain, &c. William Hodgson, April 28. Construction of bellows, James Drake, May 19. Manufacturing of candles, Richard Robotham, June 2. Manufacturing cordage, George Parkinson, June 16. New mode of grinding bark, John Markley, July 19. Improvement in the method of working pumps, Elisha Rigg, July 29. Improvement in a steam still, Alexander Anderson, Sept. 2. New mode of propelling vessels, Benjamin Wynkoop, Sept. 13. Mode of making salt, James Fennel, Sept. 24. Improvement in making bricks, Apollos Kinsley, Feb. 1, 1793. Construction and tone of bells, Robert Leslie, Feb. 2, 1793. Improvement in hydraulics, Joshua Hatheway, Oct. 29. Improvement in a threshing machine, James Wardrop, Nov. 5. Improvement in stills, John Kincaid, Nov. 25. Tempering mortar and making bricks, Apollos Kinsley, Dec. 20.

1795.

Machine for cutting nails, Jacob Perkins, Jan. 16. Improvement in the mode of breaking hemp and flax, Samuel Mulliken, Jan. 15. Improvement in shearing woollen and other cloths, Samuel Kellogg, Jan. 31. Machine for cutting nails, Josiah G. Peerson, March 23. New mode of catching fish, Joseph Ellicott, March 25. Improvement in the application of steam, Samuel Morey, March 25. Construction of a cabouse, John Youle, May 25. Improvement in the manufacturing of cordage, John Pitman, May 25. Improvement in propelling boats, Daniel Keller, May 25. Propelling boats, &c. with horses, William Peter Sprague, June 19. Nautical ventilators, Benjamin Wynkoop, June 19. Tinned sheet copper condensing worm, John Taylor, June 30.

1796.

Improvement in making nails, Jared Byington, Jan. 15. Improvement in sawing and polishing marble, &c. Jonathan Dickerson, Jan. 9. Manufacturing seal skins, James Eaton, Feb. 16. Removing pains, &c. by metallic points, Elisha Perkins, Feb. 19. Raising water by wind, Samuel Morey,

April 11. Machine for cleaning wheat, &c. &c. Benjamin Tyler, April 15. Improvement in tanning leather, James Davis, April 14. Improved mode of forming a yellew colour, Thomas Bedwell, April 20. Composition of "*bilious* pills," Samuel Lee, jun. April 30. Machine for cutting nails and brads, Peter Zacharie, May 4. Improvement in manufacturing sumach, Joseph Hillard, May 12. Improvement in bolting-cloths, Robert Dawson, May 12. Improvement in the cotton gin, Hodgen Holmes, May 12. Cleaning clover and other seeds, &c. Jonathan Roberts, jun. Feb. 13. Improvement in piano fortes, James Sylvanus M'Lean, May 27. Improvement in burr mill-stones, Oliver Evans, May 28. New invented steam-engine and boiler, Elijah Backus, May 31. Stays for removing distortions in the spine, Lunden M'Kechnie, July 1. Improvement in sawing and polishing marble, &c. Joseph Francis Mangin, July 2. Machine for scouring rice and other grain, Robert Grant, Oct. 17. Improvement in making salt, George James, Nov. 16. Improvement in manufacturing pot-ash, Edward Ryan, Nov. 16. Improvement in concentrating the volatile parts of calcareous earth, stones, &c. John Fowler, Nov. 16. Improvement in manufacturing cut nails, Peter Cliff, Nov. 16. Machine for heading and cutting nails, Isaac Garretson, Nov. 16. Improvement in a printing-press, Apollos Kinsley, Nov. 16. Improvement in splitting sheep skins, James Stansfield, Nov. 16. New method of ruling books and paper, Mark Isambard Brunel, Nov. 16. Improvement in pumps, Theobald Bourke, Nov. 16. Manufacturing pot-ash, William Frobisher, Nov. 17. Improvement in forging bolts and round iron, Clement Rentgin, Nov. 17. Improvement in a loom for weaving cloth, Amos Whittemore, Nov. 17. A "preambulator" for measuring a ship's way, Amos Whittemore, Nov. 19. Machine for cutting nails, Amos Whittemore, Nov. 19. Improvement in manufacturing nails, John Bigelow, Nov. 19. Improvement in cutting and heading nails, &c. George Chandlee, Dec. 12. Conjurer for cooking and boiling, Thomas Passmore, Dec. 23. Improvement in manufacturing cut nails, Daniel French, Dec. 23. Improvement in manufacturing wrought nails, Daniel French, Dec. 23. Improvement in heading nails, Jared Byington, Dec. 23. Improvement in heading nails, Jason Frost, Dec. 23. Machine for separating scoured rice, James Dellet, Dec. 23. Improvement in ginning cotton, Robert Watkins, Dec. 23. Improvement in ginning cotton, John Murray, Dec. 23.

1797.

Improvement in making soap, John Nazro, Jan. 6. Extracting alkali from marine salt and kelp, John Nazro, Jan. 6. Improvement in bridges, Charles Wilson Peale, Jan. 21. Improvement in cutting and heading nails, James Spence, Feb. 16. Improvement in cutting and polishing marble, &c. Joseph F. Mangin, Feb. 16. Improvement in stoves, James M'Callmont, Feb. 20. Improvement in scouring or skinning rice, Samuel Mulliken, Feb. 20. Improvement in chimneys, Richardson Stuart, Feb. 24. Improvement in bridges, John Fowler, Feb. 24. Improvement in cutting and heading nails, Jesse Kersey, Feb. 24. Improvement in mixing colours and painting, Lawrence Allwine, Feb. 24. Improvement in stoves, Thomas Hirst, March 11. Machine for threshing wheat, &c. William Booker, March 11. Improvement in a tide-water-wheel, Silas Betts, March 18. Improvement in washing clothes, Nathaniel Briggs, March 28. Improvement in stoves, Caleb Wheaton, March 29. Improvement in fire engines, Jesse Kersey, April 13. Improvement in boring pumps, Caleb Leach, April 13. Combination of astringent woods and vegetables in distilling, &c. Fitch Hall, April 17. Improvement in propelling boats and vessels, by steam engines, Jehoshaphat Starr, April 28. Improvement in propelling carriages, William Faris, April 29. Antibilious pills, Benjamin Duval, May 3. Improvement in constructing and rigging vessels, Isaac Garretson, May 29. Improvement in bridges, John Stickney, June 3. Improvement in manufacturing wool-cards, &c. Amos Whittemore, June 5. Improvement in looms, David Grieve, June 8. Raising a nap on cloths, Walter Burt, June 23. Rollers for slitting and other mills for rolling iron, Benjamin Seymour, June 26. Improvement in straitening iron hoops, Benjamin Seymour, June 26. Pundulous bellows, for pumping ships, Benjamin Wynkoop, June 26. Improvement in making candles, Joseph Stacey Sampson, June 26. Improvement in ploughs, Charles Newbold, June 26. Mode of preserving butter, Moses Johnson, June 30. Improvement in forming bricks, tiles, &c. John Hawkins, July 11. Improvement in extracting teeth, Thomas Bruff, July 1. Improvement in making shingles, boards, &c. Bill Jarvis, July 8. Improvement in cutting tobacco, Apollos Kinsley, August 12. Improvement in cutting and heading nails, Jonathan Nevil, Aug. 12. Improvement in saw-mills, Henry Dulheuer, Aug. 18. Improvement in mills, Jonathan W. Curtiss, Aug. 24. Improvement in fire-places, Charles W. Peale, Nov. 16.

Improvement in saddles, Thomas Stickney, Nov. 16. Improvement in breaking dough and paste, Daniel Pettibone, Nov. 16. Improvement in threshing grain, Richard R. Eliot, Nov. 16. Improvement in clocks, time-keepers, and watches, Eli Terry, Nov. 17. Improvement in making window sashes, Stephen Parsons, Nov. 20. Machine for propelling boats, John Martin, Nov. 21. Improvement in bridges, Timothy Palmer, Dec. 17. A spiral wheel for working in tide water, Elias Ring, Dec. 10. A soap-stone stove, William Payne, Dec. 10. Improvement in making nails, Lester Fling, Dec. 19.

1798.

Machine for cutting and heading nails, Nathan Read, Jan. 8. Improvement in grinding coffee, Thomas Bruff, sen. Jan. 8. Machine for printing paper, leather, &c. John Dixey, Jan. 24. Improvement in cutting and pointing comb-teeth, Isaac Tryon, Feb. 22. Improvement in windmills, Charles Holden, March 15. Machine for dipping candles, Samuel Blydenburg, March 22. Steam saw-mill, Robert M'Kean, March 24. Mill for sawing boards, Aaron Clarke, March 30. Screw engine for throwing water, Elijah Ormsbee, March 21. Improvement in raising water from fountains, John Manning, April 10. Regulating the action of the tide on his spiral wheel, John Martin, April 27. Machine for raising water, Mark Isambard Brunel, April 27. Machine for removing rocks, &c. Isaac Lazell, May 18. A double-steam engine, James Smallman and Nicholas J. Roosevelt, May 31. Machine for threshing wheat, &c. Thomas C. Martin, June 2. Machine for propelling vessels, Charles Stoudinger, June 2. Water-wheel flume for large streams, Walter Brewster, June 7. An oblique pump, Jonathan Hunt, June 7. "A tallow lamp," John Love, June 11. A composition for pills, Samuel Cooley, June 6. Improvement in stoves, John W. Godfrey and William Lane, July 14. Method of preserving vessels, &c. from worms, Raphaelle Peale, Dec. 14. Improvement in making bread, William Banks, Dec. 14. Machine for cutting screws, David Wilkinson, Dec. 14. Improvement in manufacturing paper, Cyrus Austin, Dec. 14. Pipes and pumps for conveying water, Mark Reeve, Dec. 14. Machine for clearing docks and harbours, Stephen Colver, Dec. 14. Machine for heaving down vessels, raising weights, &c. Stephen Colver, Dec. 14.

1799.

Machine for raising water, Joseph Huntley, Jan. 10.

Machine for writing with two pens, Mark Isambard Brunel, Jan. 17. Method of regulating wind-mills, Thomas Thompson, Jan. 3. Machine for making nails, Seth Hart, Jan. 4. Machine for manufacturing salt, John Sears, Jan. 24. Improvement in a coal stove, Henry Abbott, Jan. 24. Machine for cultivating corn, beans, &c. Eliakim Spooner, Jan. 25. Machine for planting corn, beans, &c. Eliakim Spooner, Jan. 25. Improvement in a horizontal water-wheel, Ezekiel Reed, Feb. 14. Improvement in steelyards, Benjamin Dearborn, Feb. 14. Preparation of steel for cutting glass, Benjamin Du Val, Feb. 14. Improvement in making nails, Jacob Perkins, Feb. 14. A flax and hemp mill, Benjamin Tyler, Feb. 26. Improvement in casting iron, William Hancock, Feb. 26. Extracting oil from cotton seeds, Charles Whiting, March 2. Improvement in sharpening axes, &c. John Shotwell, March 16. A check to detect counterfeits, Jacob Perkins, March 19. Improvement in propelling boats, Josiah Shackford, March 21. Machine for dressing cloth, Isaac Sandford, March 27. Obtaining force from water by steam, Samuel Morey, March 27. Machine for making combs, Phineas Pratt, April 12. Improvement in his water engine, Samuel Morey, April 24. Double-centered mill for wind or water, Benjamin Dearborn, April 30. New method of cutting clay for tiles, Andrew W. Duty, May 8. Machine for raising water, William Faris, May 17. " Machine to keep a ship's distance at sea," Chester Gould, May 27. Improvement in making ropes, Michael Wigglesworth, June 26. " Bilious pills," Samuel H. P. Lee, June 26. Improvement in washing clothes, Ezra Weld, June 26. Napping hats, James Long, Aug. 5. Purifying spermaceti oil, Richard Robotham, Aug 14. A capstan fire-engine, Samuel Eli Hamlin, Aug. 30. Federal baloon, Moses M'Farland, Oct. 28. Manufacturing of paper, Robert R. Livingston, Oct. 28. Universal pump, Apollos Kinsley, Oct. 28. Boat for descending rapid streams, Daniel Keller, Nov. 5. Pumps for ships, mines, &c. John Stickney, Nov. 29. Saw-mill, Thomas Payne, Dec. 2. Extracting oil from Palma Christi, John G. Gebhard, Feb. 4. Hawks' pills, John Hawks, Dec. 14. Runners and bows for sleighs and sledges, Abijah Wilder, Dec. 14. Improvement in mills, Havilard Chase, Dec. 16. " Effeminate ropery for spinning rope yarn," John Pitman, Dec. 24.

1800.

Improvement on stoves and grates, Oliver Evans, Jan. 16. Machine for spinning rope yarn and twine, Stephen Gorham,

Feb. 4. Composition to preserve wood, brick, &c. Silas Constant, Feb. 4. Machine for pounding rice, gunpowder, &c. Benjamin Bolitho, Feb. 7. Metal boxes for wood or iron to turn in, William Shotwell, Feb. 7. Improvement in piano fortes, John J. Hawkins, Feb. 12. Method of covering salt vats from the weather, Hattil Killey 2d, Feb. 12. Extracting the essence of sumach, fera, &c. for tanning, Nathaniel Ladd, Feb. 12. Engine for throwing water, Patrick Lyon, Feb. 12. Raising or lifting hides in tanning, James Cox, Feb. 20. Improvement in grist mills, Benjamin Tyler, Feb. 20. Improvement in dying blue, John Percy, March 3. Lathe or loom for weaving, William Harris, March 15. Machine for manufacturing sumach, Comfort Hoyt, jun. April 7. Improvement in coach collars, William Hottensteen, April 10. Stop cock, Peter Walker, April 10. Improvement in the manufacture of boots and shoes, Dean Howard, April 10. Improvement in the elastic truss for ruptures, Silas Stone, May 6. Engine for reducing silk, cotton, worsted, cloth, and to their original state, to be manufactured, John Biddis, May 6. Silent moving timekeeper, Simeon Jocelin, May 8. Improvements in the construction of ships and vessels, Jeremiah Brown, May 14. Machine for making bricks and tiles, George Hadfield, May 15. Metal amulets, Edward West, May 19. Machine for splitting hides and skins, Thomas O. Harrison, May 19. Mould board of a plough, Robert Smith, May 19. Cogs, &c. for pullies, &c. William Shotwell, June 24. Machine for cutting tobacco, Peter Lorillard, June 28. Kiln for drying grain, James Deneale, jun. July 10. Improvement in burning lime, &c. Peter Lossing, Aug. 4. Machine for cooking, Frederick Butler, Aug. 22. Machine for cutting and heading nails, Frederick Young, Aug. 23. "Lavater," machine for washing and wringing clothes, Ezra Weld, Sept. 17. Machine for cutting tanner's bark, Jonathan Kilborn, Aug. 23. Improvements in chimneys, David Cooley, jun. and Gabriel N. Philips, Aug. 25. Improvement in manufacturing bricks, Richard Mansfield, Oct. 24. Raising water for mills, Aaron Brookfield, Oct. 24. Improvement in musical instruments, John J. Hawkins, Oct. 24. Telegraph (description) filed, Jonathan Grout, jun. Oct. 24. Obtaining force from water, with the assistance of steam, Samuel Murray, Nov. 17. Hanging windows without weights, William Young, Nov. 20.

(To be continued.)

bearing testimony to the advantages to be derived from a restricted use of emetics, he states that he has failed of success when he has attempted to cure this disorder by vomiting-medicines alone, agreeably to the directions of Dr. Fothergill; he has, therefore, had recourse to other measures. After bringing away the phlegm by an antimonial emetic, he prescribes a medicine compounded of opium, ipecacuanha, and prepared natron, (carbonate of soda). To a child a twelvemonth old he gives one drop of tinct. of opium, five drops of ipecacuanha wine, and two grains of prepared natron, made into a small draught with syrup and water, and repeated every fourth hour. This medicine appears to have an antispasmodic and diaphoretic operation. When, by its use for some days, the hooping-cough paroxysms are rendered less violent and less frequent, he directs the ipecacuanha to be omitted, and the gum myrrh, in sufficient doses, to be substituted in its place; the proportions of opiate tincture and alkaline salt remaining the same. The myrrh is used not as an expectorant, but as a tonic; as such, he has found it preferable in this disorder, especially where the patients are very young, to the Peruvian bark. On what principle the alkaline salt acts he does not pretend to explain; but he asserts that the same beneficial effects are not produced by the opium and ipecacuanha, or opium and myrrh, when it is left out. He adds, that costiveness is to be prevented, during the use of these medicines, by proper doses of calomel and rhubarb. [*Edinb. Med. & Surg. Jour.*

ERRATA IN THE LAST VOLUME.

Page 353, line 10 from the bottom, for "putrefactions," read petrifactions.
358, bottom line, for "commence," read commences.
362, line 8 from the bottom, (in the notes) for "freight," read foreign.

APPENDIX.

Correct List of all the Patents that have been taken out of the Office of the Secretary of State.

[Continued from p. 112.]

1801.

MACHINE for breaking flax, John Cannon, Jan. 17. Jaundice bitters, Jesse Wheaten, Jan. 17. Cotton gin, Ebenezer Whiting, Jan. 22. Improvement in sheathing vessels, Henry Guest, Jan. 26. Brewing with Indian corn, Alexander Anderson, Jan. 26. Condenser for heating wash in distilling, Alexander Anderson, Jan. 26. Axle tourniquet, Joseph Strong, Jan. 29. Improvement in the construction of stoves, William Henderson, Feb. 12. Improvement in evaporation, Thomas Bedwell, and Benjamin Henfrey, Feb. 12. Machine for making and heading nails, Michael Garber, Feb. 20. Hydraulic machine for raising water, Barnabas Langdon, Feb. 20. Improvement in boats to ascend rivers, &c. David Grieve, Feb. 30. Increasing the surface of evaporation for the purpose of distilling, Benjamin Henfrey, March 2. Boring machine for posts for fencing, Richard Weems, March 16. Veneering plough for cabinet work, William Stillman, March 16. Hydraulic engine, John Strong, March 24. Making and discharging chain and cleaver shot, Israel Hatch, March 24. Cut nails from iron hoops, &c. rendered tough, Nathan Kent, May 1. Stove, screw, and reel grain drying machine, David Ellicot, May 1. Impellent pump, Solomon Thayer, June 9. Nails milled out of heated rods, Jesse Reed, June 9. Extract of bark for dying, &c. Samuel Downing, June 12. Forcing pump, John Eveleth, June 13. Portable vapour bath, Charles W. Peale, July 16. Infusing oil into leather, &c. Henry Guest, July 16. A beaming machine, Jeremiah Ladd, July 17. Mill for grinding painter's colours, &c. Caleb Greene, July 23. Machine for extracting grain from straw, &c. Christopher Hoxie, Aug. 20. A machine for raising water, William Palmer, Aug. 25. Improvement for cooling and conveying up meal, &c. Gurdon F. Saltonstall, Aug. 21. Metallic fluted gin rollers, for cleaning cotton, Gurdon F. Saltonstall, Sept. 2. Manufacturing spoons, Thomas Bruff, Sept. 14.

Giving motion to wheels within cylinders, &c. James Sharples, Sept. 15. Mechanical powers for the use of wind-mills, &c. James Sharples, Sept. 15. Manufacturing pot-ash, Thomas Power, Sept. 19. Moveable suspended beam and scale, Samuel Wallis, Sept. 21. Air-pump ventilator for ships, mines, &c. Richard Robotham, October 10. Machine for ruling paper, &c. Richard Robotham, Oct. 10. A syphonic steam machine, John Poole, Oct. 13. Construction of stills, Michael Krafft, Oct. 28. Machine for cutting and heading nails, William Leslie, Nov. 5. Improvement in a wind-mill, John A. Morton, Dec. 16. Improvement in a ship's pump, George Clymer, Dec. 22. Making paper from currier's shavings, Joseph Condit, jun. Dec. 28.

1802.

Improvement in the art of engraving, Joseph Hutton and Gideon Fairman, Jan. 8. Improvement in a wind-mill, Rufus Hathaway, Jan. 20. Improvement in a time-piece, Simon Willard, Feb. 8. A machine for churning, Isaac Baker, Feb. 20. Improvement in boxes for carriages, Thomas B. Whitlock, Feb. 23. Improvement in paddles for propelling boats, Richard Claiborne, Feb. 23. Improved mode of carrying fish in warm weather, Nathaniel Robbins, March 11. Machine for cutting and grinding bark, Jacob Warrel, March 17. Manufacturing starch from potatoes, John Biddis, March 22. Improvement in a grist-mill, John W. Holly, March 27. Improvement in a saw-mill, which returns the log after each cut, Moses Coates, April 1. Improvement on a block-making gang-lathe, Ebenezer Whiting, April 1. Machine for ginning cotton, William Bell and Samuel de Montmollin, April 7. Machine for churning, Joel Pierce, April 10. Improvement, being a cheap mode of obtaining light from fuel, Benjamin Henfrey, April 16. Extracting the essence of bark for dying, Samuel Downing, April 19. Machine for cleaning clover seed, Asher Spicer, April 22. Improvement in a saw-mill, Hezekiah Richardson, jun. and Levi Richardson, April 28. Machine for rolling iron round, &c. Henry Abbott, May 4. Improvement in casting close stoves, Henry Abbott, May 4. Improvement in flat roofs for houses and balconies, Henry Johnson, May 10. Mode of improving spirits, Burgiss Allison, May 12. Scientific steelyards, Lewis Du Pré, May 12. Machine for manufacturing salt, Benjamin Ellicott, May 12. New plan for printing music, Andrew Law, May 12. Machine for cutting fur for the use of hatters, Nicholas Young,

May 14. Machine for cutting nails, Edward West, July 6. Improvement in heading and cutting nails, Edward West, July 6. Improvement in a gun lock, Edward West, July 6. Improvement in a steam boat, Edward West, July 6. Improvement in pumps, Jacob Perkins, July 9. Machine for cleaning wheat, Stephen Stilwell, July 9. Machine for cleaning out docks, John Greenleaf, July 13. Method of rolling iron for nails, Jesse Reed, July 15. Improved machine for threshing and cleaning wheat, Ezekiel Miller, July 19. Machine for making bricks, Ezekiel Miller, July 17. Machine for cleaning clover seed, Martin Miller, July 19. Machine for threshing grain, Joseph Pope, July 22. Antibilious pills, Thomas H. Rawson, July 24. Machine for making nails, Nathan Fobes, Aug. 2. Improvement in a trigonometrical quadrant, James Templeton, Aug. 17. Improvement in a still, William Paine, Aug. 24. Improvement called a fire-stop, Elisha Putnam, Aug. 24. Economical house and ship steam kitchen, Nicholas Boureau, Aug. 30. Astronomical quadrant, Matthew C. Groves, Sept. 3. Machine for heading nails, Benjamin S. Walcott, Sept. 4. Improvement in fastening, in raising and supporting window sashes, Leonard Kennedy, Sept. 7. An evaporating furnace, John Richardson, Sept. 13. Machine for pressing cotton or other bale goods, Jacob Idler, Sept. 24. A steam engine (improvement in), Samuel Briggs, jun. Oct. 9. Machine for raising water [!!! a perpetual motion !!!] John Baptiste Aveilhé, Oct. 14. Improvement in splitting skins, Asa W. Chickering, Nov. 29. Improvement in extracting neutral salts from alkaline, Benjamin Gorton, Nov. 29. Improvement in erecting dry docks, John Gardiner, Dec. 3. Machine for making nails, William Caruthers, Dec. 13. Improvement in the construction of mill wheels, James Cowen, Dec. 14. Improvement in stills, John Staples, Dec. 15. Improvement in making salt, Valentine Peers, Dec. 18. Improvement in a boiling cistern, Timothy Kirk, Dec. 20. Antibilious stomach cordial, Simon Lozarus, Dec. 21. Improvement in the manner of welding cast steel to iron, &c. Daniel Pettibone, Ezekiel Chapman, and Josiah Nichols, Dec. 22. An insubmersible boat, Abm. Du Buc Marentille, Dec. 23. Improvement in manufacturing paper from corn husks, Burgiss Allison and John Hawkins, Dec. 30. Machine for sawing stone and marble, William Palmer, Dec. 31.

(To be continued.)

APPENDIX.

Correct List of all the Patents that have been taken out of the Office of Secretary of State.

[Continued from p. 224.]

1803.

IMPROVEMENT in the caboose of a vessel for distilling fresh from salt water, Simeon Rouse, Jan. 1. A saw mill for cleaning cotton, Gurdon F. Saltonstall, Jan. 4. Machine for hulling rice, Christopher Hoxie, Jan. 7. Refrigerator for domestic uses, Thomas Moore, Jan. 27. Boiler for accelerating the evaporation of liquids, John Moffat, Feb. 1. Improvement in stills, John Moffat, Feb. 1. Machine for raising water, Benjamin Cooley. Feb. 1. Manufacturing marle into lime, Jedediah Peasley, Feb. 1. Making brandy out of all kinds of grain or fruit, Christopher J. Hütter, Feb. 11. Machine for pairing apples, Moses Coates, Feb. 14. Improvement in a guage auger, Abel Stowel, Feb. 14. A machine for making hot wrought nails, &c. Elisha Bartlett, Oliver Bartlett, Otis Bartlett, and George Bartlett, Feb. 17. Improvement to their patented roller cotton gin, William Bell, and John S. D. Montmollin, March 7. Improvement in extracting a spirit from starch water, John Naylor, March 7. A wheel to turn under water, Silas Bent, March 7. A horizontal wind mill, John Baptiste Aveilhé, March 16. A wreck raft, Abm. Du Buc Marentille, March 18. A sea-sitting chair, Abm. Du Buc Marentille, March 18. A power obtained by the rising and falling of the tide to give motion to all kinds of machinery, John Staples, jun. March 18. Submarine passage, or hollow inverted arch, John Staples, jun. March 18. A machine for cleaning clover seed, John Cottle, March 21. An improvement in time pieces, David F. Launy, March 21. Improvement in the process of manufacturing sea salt, George Hunter, March 24. Improvement in the mode of obtaining antiseptic gas, Peter De La Begarre, and J. B. M. Picornell, March 24. Improved house fan, Edward Marquam, March 28. Antibilious pills, Thomas H. Rawson, April 4. Improvement in his evaporating furnance, John Richardson, April 4. Improvement in a cooler or condensor of vapour, William How, April 6. Improvement in producing steam, John Stevens, April 11. Improvement in a ruling machine, Daniel

Brewer, April 22. Improvement in heating and boiling water, Benjamin Platt, April 27. Improvement in the mode of constructing vessels with crooked keels, Eliphalet Beebe, April 27. Machine for deepening channels, Mathew Barney, May 4. Improvement in building boats, William Hopkins, May 13. A rolling machine for cleaning cotton, Gurdon F. Saltonstall, May 14. Improvement in distilling spirits, Daniel Ilsley, May 14. Improvement in cutting grain and grass, Richard French, and John T. Hawkins, May 17. Improvement in the pentagraph and parallel ruler, John J. Hawkins, May 17. Improvement in the application of the principle of rectifying or improving spirits, Burgiss Allison, May 17. Machine for pumping, John Clarke, May 19. Improvement in working the bellows of a furnace or forge, John W. Godfrey, May 25. Expediting the manufacture of common salt, Timothy Alden, jun. May 25. Improvement in the method of distilling or making alcohol, Lemuel J. Kilborn, June 4. Improvement in extracting the effective matter contained in barks, &c. for dying, John Biddis, Thomas Bedwell, and William Mitchell, June 7. Machine for making hinges, David Morse, June 10. Improvement in the manufacturing of hats, Ezra Corning, jun. June 13. Improvement in the steam engine, Samuel Morey, Rufus Graves, and Giles Richards, June 15. Physiognotrace, Isaac Tood, Augustus Day, and William Bache, June 15. A rocking churn, Walter Keeler, and James Waring, June 23. A machine for breaking and carding sheep's wool, Benjamin Standring, June 28. Machine for shearing woollen and other cloths, Liberty Stanley, June 25. Machine for pulling hair from skins, Nicholas Young, June 28. Improvement in the construction of iron cabooses, William Ashbridge, June 28. Improvement called the Columbia fireplace, Robert Heterick, June 30. Improvement in the mode of applying springs to window sashes, Samuel S. Camp, July 1. Improvement in distillation, by the application of steam in wooden or other stills, Samuel Brown, Edward West, and Thomas West, July 8. Machine for packing goods, John Clark and Evan Evans, July 20. Method of cooling liquors, David Lownes, July 21. Method of securing leaden or other pipes from frost, &c. David Lownes, July 21. Machine for splitting and shaving shingles, Daniel French, July 25. Improving in a powder mill, George Keyser, July 27. Machine for separating clover seed from the "pod," Timothy Kirk, July 28. Im-

provement in the construction of stills, Lewis Geanty, Aug. 4. Machine for boring holes in rocks under water, John Baptiste Aveilhé, Aug. 24. Improvement in a water cock, George Youle, Aug. 25. Preparing seals' fur for hats, George Cleveland, Sept. 9. A wheel press, Hezekiah Betts, Sept. 13. Mode of constructing carriages, John C. Stroebel, Sept. 19. Family pills, Daniel Coit, Oct. 5. Machine for making wrought nails and brads out of hot rods, Lazarus Ruggles, Oct. 18. Threshing machine, Jedediah T. Turner, Oct. 19. Improvement in the construction of the keels of vessels, Gilbert Livingston, Oct. 22. Machine for shelling corn, Paul Pilsbury, Oct. 25. Improvement in boilers, also working stills with the same, William Thornton, Oct. 28. A horizontal draft wind-mill, Samuel Goodwin, Oct. 31. Finding salt water and metals. *Bletonism!* Valentine Cook, Nov. 1. Vegetable elixir, or cough drops, Samuel Cooley, Nov. 12. A dry bellows pump, Enoch Alden, Nov. 15. Improvement in spinning wheels, Amos Minor, Nov. 16. Improvement in wind-mills, Asahel E. Paine, Nov. 19. Improvement in fastening and supporting window sashes, Jacob Osborn, Nov. 24. Improvement in the cotton gin, William Bell, Nov. 24. Improvement in propelling boats for inland navigation, William Bell, Nov. 25. Improvement in the wind-mill, William Bell, Nov. 25. A cylindric ruler for ruling paper, John Fairbanks, Nov. 30. Improvement in grinding painters' colours, printers' ink, &c. Jacob Cist, Dec. 3. Machine for separating the seed from cotton, Joseph Eve, Dec. 6. A twilling machine for pricking leather for cards, Pliny Earl, Dec. 6. Improvement in a fire-engine, Stephen Steward, Dec. 6. Machine for rolling plates of iron and cutting them into nails, Samuel Rogers, and Melvill Otis, Dec. 7. Improvement in window springs, James Curtis, jun. Dec. 10. Improvement in still heads and condensors, Edward Richardson, Dec. 16. Improvement in making cold cut nails and brads out of rolled iron, Joseph Elgar, Dec. 16. Improvement in separating clover seed, wheat, &c. from the husk, David Buckman, Dec. 21. A hydro-mechanical press, John Beverly, Dec. 26. Improvement in painting rooms, John Selby, Dec. 30. Improvement in making colours for painting, printing, &c. Francis Guy, Dec. 30.

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Machine for making brick and tile, by cutting the mortar, Nathaniel Miller and Philip W. Miller, Jan. 5. Improvement in stills or boilers, Leonard Beatty, Jan. 19. Im-

provement in preparing quercitron or black oak bark for exportation or home consumption, for dying or other uses, Thomas Benger, Jan. 25. " A double draught fire-place," Talmage Ross, Jan. 23. Improvement in the construction of stills, and the process of distilling spirits, William Wigton, Jan. 30. Improvement called the screw-mill for breaking and grinding different hard substances, Oliver Evans, Feb. 14. " Improvement in steam engines, by the application of a new principle by means of strong boilers to retain and confine the steam, thereby increasing the heat in the water, which increases the elastic power of the steam to a great degree, Oliver Evans, Feb. 14. Improvement in wheels to be moved either by wind or water; for the purpose of giving motion to all kinds of machinery, mills, engines, carriages, ships, boats, &c. &c. John Staples, jun. Feb. 17. " In setting stills and other large kettles," Israel Wood, Feb. 21. Machine for threshing and cleaning grain, Thomas Barnett, Feb. 21. Improvement, being a smut fanning-mill, Thomas Pierce, Feb. 21. Improvement in hanging window sashes, William W. Hopkins, Feb. 24. " Improvement, being a spinning-wheel and twisting-mill for the purpose of making cordage," William B. Dyer, Feb. 27. A machine for hulling clover seed, Jacob Worrell, Feb. 27. Improvement in air or bellows pumps for raising water, Daniel M. Miller, March 5. Improvement, being a machine for washing clothes, scouring, fulling, and cleansing cloth, Daniel S. Dean, Feb. 29. Improvement, being a mode of preparing marble for painting on, Archibald Robertson, March 5. Improvement in window fastenings, or springs for fastening and supporting sash-lights, Daniel M. Miller, March 8. Improvement in extinguishing fires in houses, &c. Samuel P. Lord, jun. March 10. Machine for watering cattle, Moses Smith, March 16. Improvement in the bedstead, so constructed that it may be taken down and removed by one person, in case of fire, or on other occasions, with much ease and expedition, Ward Gilman and William Jackson, March 19. Machine for preparing what is commonly called top and swingled tow for paper, Abraham Frost, March 19. Improvement, being a " wry-fly," which may be applied by wind or water to various machines, viz. grist-mills, hulling-mills, spinning-mills, fulling-mills, paper-mills, and to the use of furnaces, &c. Benjamin Tyler, March 19. Improvement in manufacturing coat and waistcoat buttons, George W. Robinson, March 24. Improvement, being an inclined-plane-statical-

wheel machine, for facilitating the passage of boats in canals, or for removing earth, stones, or other heavy bodies from hills, &c. by the inclined plane, John Williams, March 23. Machine for the improvement of navigation, Anthony Hunn, March 24. "Improved still and boiler," John Naylor, March 31. Improvement in the mode of making shot, Phineas Daniel, March 31. Machine for breaking and cleansing flax and hemp, Owen Roberts, April 12. Improvement in the mode of working sheet tin into different wares, Calvin Whiting, and Eli Parsons, April 14. Improvement in springs for window sashes, Joseph Eaton, April 14. Machine for slitting and heading nails, Michael Garber, April 17. Double steam-bath still, John James Giraud, April 18. Machine for cleaning flax-seed from cockle, yellow-seed, cheat, and all foul seed, which may be applied to separate wheat, rye and other grains from each other, and all impurities, Paul Goltry, April 24. Machine for shelling clover seed, Michael Withers, April 30. Improved machine for cutting straw and hay, &c. &c. Moses Coates and Evan Evans, April 30. Improvement in paper-mills, Thomas Langstroth, May 1. Improvement in the construction of pump-boxes, or pumps, designed for the use of ships of war, merchant vessels, or other purposes where water is required to be raised, John Stickney, May 1. Columbian threshing, break and cleaning fan, Samuel Houston, May 3. Machine to be fixed to the top of a common churn, Levi Stephens, May 8. Machine for shelling and cleaning corn, which may likewise answer the purpose of grinding tanner's bark, and provender for cattle and horses, Levi Stephens, May 8. Improvement of the lantern, John Staniford, jun. and Amos D. Allen, May 10. Composition for tablets to write or draw on, Amos D. Allen, May 10. Machine to cut strips or chips of wood to make chip hats, bonnets, &c. Amos D. Allen, May 10. Furnace for making pot and pearl ashes, with the manner of using, and the materials of which the same is composed, Edward Crafts, jun. May 12. Machine or apparatus for making salt, Ezra Weld, May 16. Machine for cleaning and moating cotton after it has been ginned, James Simons and Joseph M'James, May 17. Machine for making nails and spikes, Burgiss Allison and Richard French, June 8. Improvement in making thimbles, Asa Spencer, June 8. Improvement in machines for clearing grain from straw, &c. William Tunstall, June 30. Improvement in the mode of pumping and raising water, Benjamin Folger, July 7.

Improvement in the construction of the fulling-mill, called the double crank, Levi Osborn, July 12. Improvement in the plough, John Deaver, July 12. Improvement in the auger, Christopher Hoxie, July 12. Improvement in the lime-kiln, Thomas Power, July 12. Metallic grinder, or hone for razors, penknives, scissors, surgeon's instruments, and all kinds of fine-edged tools, Christian Veltenair, August 10. Improvement in the machine for cutting nails, Nicholas Boureau, August 21. Machine for raising water from wells, William Harington, August 28. Improved windlass for ships or vessels, Hezekiah Betts, August 29. Machine to cut chips or strips of wood to make chip hats and bonnets, brooms, baskets, sieves, matting, and for various other uses, John Roberts, Amos D. Allen, and Ezekial Kelsey, Sept. 5. Crushing plaister-mill, Emanuel Kent, Sept. 14. Improvement in suspenders, Orange Webb, Sept. 18. Improvement in wind-mills, Richard Weems, Sept. 20. A waggon, or carraige, to be worked by hand, John Bolton, jun. Sept. 29. Method to prevent chimnies from admitting water in rainy weather, John James Thomas, Oct. 2. Forcing pump to raise water, Aaron Taylor, Oct. 4. "The rheumatic liniment," for chronic rheumatism, strains, &c. Abel Brown, Oct. 17. Improvement in gallows, or suspenders, for breeches, pantaloons or trowsers, &c. Simon Smith, Oct. 23. Improvement in candlesticks, Benjamin Dearborn, Oct. 29. Machine for breaking dough, Laban Folger, Nov. 1. Machine for cooling and filtering water or other fluids, Daniel M'Mullin and Thomas M. Corby, Nov. 6. Composition, or cement, to prevent the roofs and other parts of houses from taken fire, David Stodder, Nov. 16. Improvement in sash-springs, John Hooker, Nov. 19. Improvement in the threshing machine, James Deneale, jun. Nov. 20. Improvement in the oil press, Josiah White, Nov. 27. Machine for granulating gun-powder, E. I. Du Pont de Nemours, Nov. 23. Improvement in the cow or sheep bell, Simon Newton, Dec. 22. Machine for cutting nails with, and not across the grain of the metal, Frederick William Geyssenhayner, Dec. 22. Improvement in wind-mills, William Stanton, jun. Dec. 26. "New invented window springs," Isaac Scott, Dec. 26. Machine for boring gun barrels, Nathan Fobes, Dec. 31. Manufacturing ashes, Joseph Bellows, jun. and Ebenezer White, Dec. 29. Medicine called "bilious cordial," Samuel Chamberlaine, Dec. 31. Mode of improving or setting a horse's ears, Seth Janes, Dec. 31.